COMPS350F  
Software Engineering

Test Plan

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# Login System:

### Validation test

A screenshot of a computer

Description automatically generated

User needs to input their email into the username entry and type their password into the password entry. If the users are not related to the school, they cannot log in to the system.

Student:

A screenshot of a computer screen

Description automatically generated

If the user is a student, the email format should be like this, studentID + @ +’stu’ + ‘abcu.edu.hk’.

A screenshot of a calendar

Description automatically generated

If the login is successful, it will change to the student side. The color is black. so, the user is a student.

Teacher:

A screenshot of a computer

Description automatically generated

If the user is a teacher, the email format should be like this, teacherName + @ + ‘abcu.edu.hk’.

A screen shot of a computer

Description automatically generated

If the login is successful, it will change to the teacher side. The color is light blue. so, the user is a teacher.

### Defect test

A computer screen shot of a computer screen

Description automatically generated

If the user enters the wrong password or username, it will get the same error message box telling the user there is something wrong.

# Attendance:

### Validation test

Teacher:

A screenshot of a computer

Description automatically generated

The teacher can select which day attendance he/she wants to check. For example, 2023-11-22.

A screen shot of a course attendance

Description automatically generated

The attendance records for that day will now be displayed.

Student:

A screenshot of a computer

Description automatically generated

Students could see their attendance records if they had attended on that day.

### Defect test

Teacher

A computer attendance screen shot

Description automatically generated with medium confidence

If there are no attendance records on that day, it will not display any records.

# Take Attendance:

### Validation test

This function just allows students to use it.

Student:

A screenshot of a computer

Description automatically generated

For example, if there is a lesson today, Students can take attendance on the attend page. You can see that the button is not available for students to click because it is not class time.



A screenshot of a computer

Description automatically generated

Students can click the left arrow or right arrow to change the date.

A screenshot of a computer

Description automatically generated

If it is class time now, there will be a label prompt and a button that will allow students to click.

A screenshot of a computer

Description automatically generated

When a student clicks this button, a record is created in the database. This record will tell the system that the student has attended classes for that day. Also, it will display a tick icon to let students know he/she had taken attendance.

Now the student can go to check the attendance by that course.

A white and black document with black text

Description automatically generated

You can see that the record has been created in the database.

### Defect test

Student:

A screenshot of a computer

Description automatically generated

Try clicking the button when there is no class time. As a result, the button becomes unclickable.



A screenshot of a computer

Description automatically generated

When the student has an attendance record in that lesson, he/she clicks the button again. It will not create one more record.

A white and black text on a white background

Description automatically generated

# Course Schedule System:

### Validation test

This function just allows Teachers to use it.

Teacher:

A screenshot of a computer

Description automatically generated

This is the course schedule page. Teachers can create lessons here and delete lessons.

A screenshot of a computer

Description automatically generated

The teacher clicks the plus button to show a new TK window to input the details about the lesson. Such as Venue, Date, Start Time, End Time, and Group.

A schedule of course

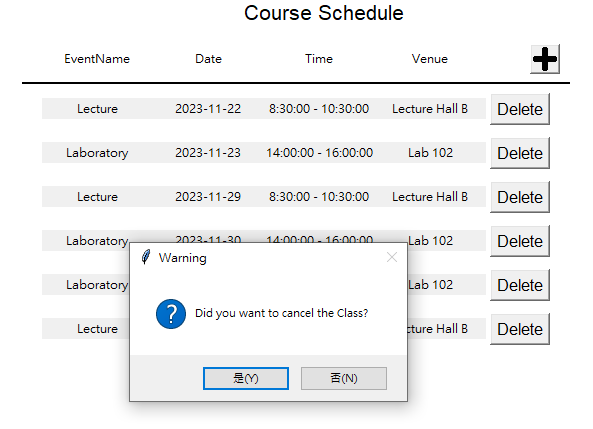
Description automatically generated

The lesson with the lesson date of December 6, 2023 is created in the database.

A screen shot of a computer

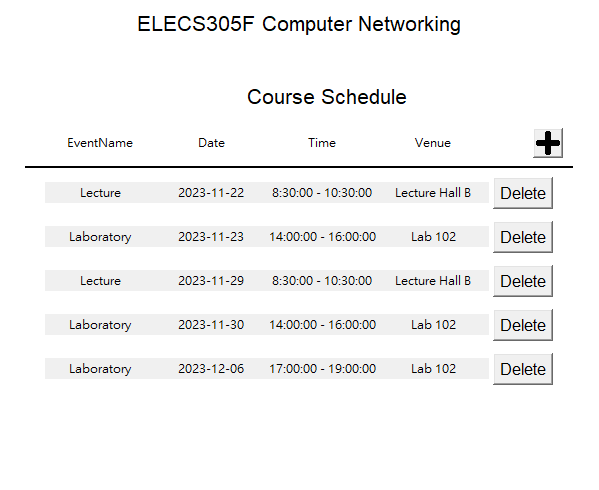
Description automatically generated

If the teacher wants to delete the lesson, she/he can click the delete button on that line. The lesson will be deleted after the delete button is clicked.



When the delete button is clicked, it will have a message box to ask the teacher did you want to cancel the class. If the teacher selects Yes, the lesson will be deleted. If the teacher selects No, it will close the message box and don’t execute the delete function.

In this example, I will choose Yes.



You can see that the lesson had been deleted.

### Defect test

Teacher:

A screenshot of a computer

Description automatically generated

If the Create Course form is incomplete and the teacher clicks the OK button, they will receive an error message telling the teacher to "Please fill out the form" and the form will close.

A screen shot of a computer

Description automatically generated

### Course teaching student:

一張含有 文字, 螢幕擷取畫面, 數字 的圖片

自動產生的描述

It shows students that they are a student of a course. For example, this image shows the COMPS333F students.

一張含有 文字, 螢幕擷取畫面, 數字, 軟體 的圖片

自動產生的描述

Click a “+” button, it will show a dialog for adding student to course function.

Step1: input studentID

一張含有 文字, 螢幕擷取畫面, 黑色, 字型 的圖片

自動產生的描述

一張含有 文字, 螢幕擷取畫面, 數字, 軟體 的圖片

自動產生的描述

Step2: click ok button

Step3: student added

一張含有 文字, 螢幕擷取畫面, 數字 的圖片

自動產生的描述

Delete student

Step1: click delete button

For example, intend to delete studentID:90123456, click delete button.

一張含有 文字, 螢幕擷取畫面, 數字 的圖片

自動產生的描述

Step2: confirm delete

一張含有 文字, 螢幕擷取畫面, 軟體, 數字 的圖片

自動產生的描述

Result: student already delete

一張含有 文字, 螢幕擷取畫面, 數字 的圖片

自動產生的描述

End